



# REPLACEMENT SHEET

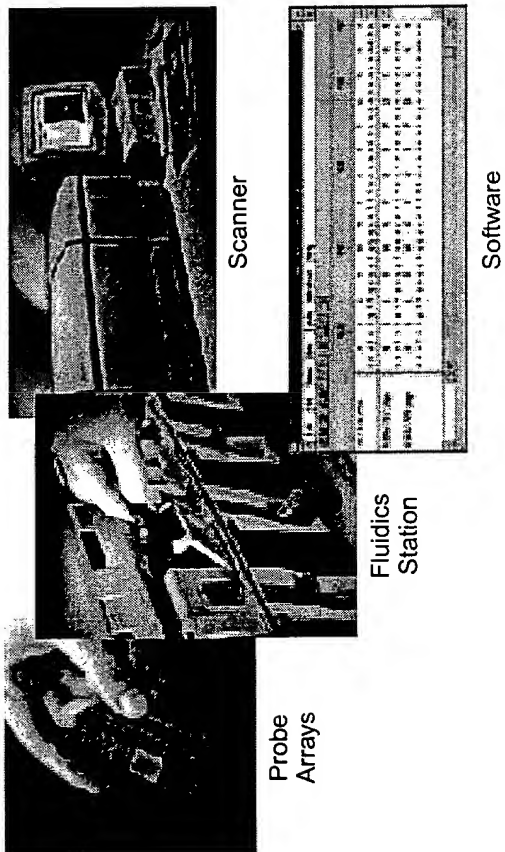


FIGURE 1



REPLACEMENT SHEET

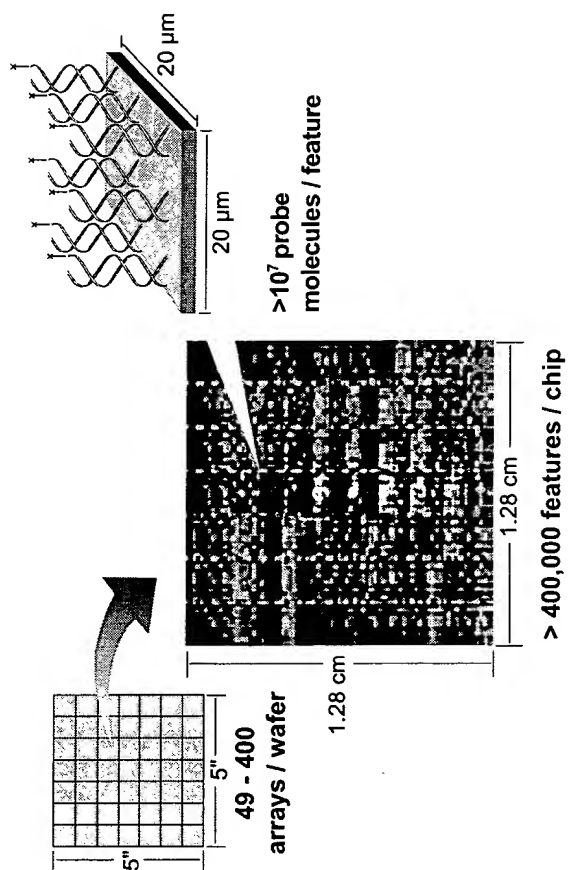
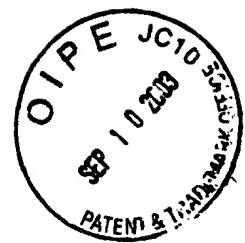


FIGURE 2



REPLACEMENT SHEET

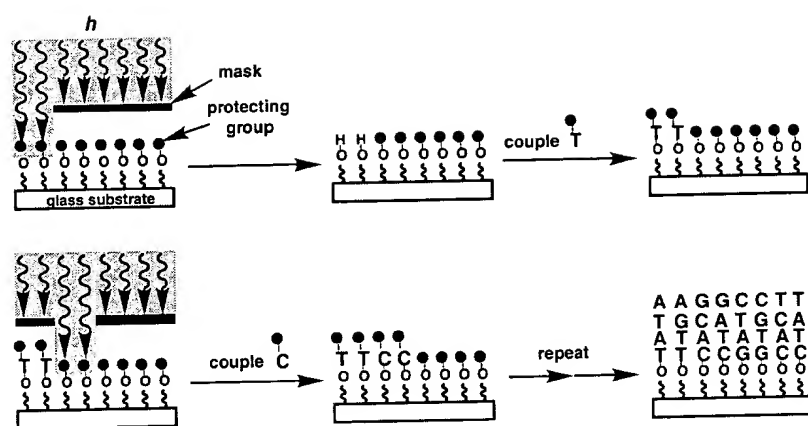


FIGURE 3



REPLACEMENT SHEET

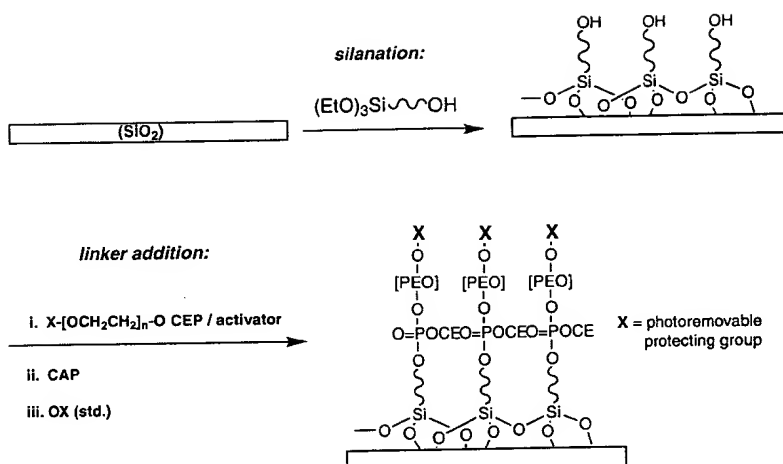
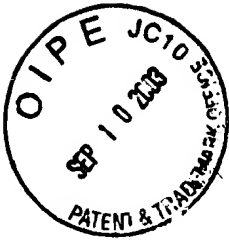


FIGURE 4



REPLACEMENT SHEET

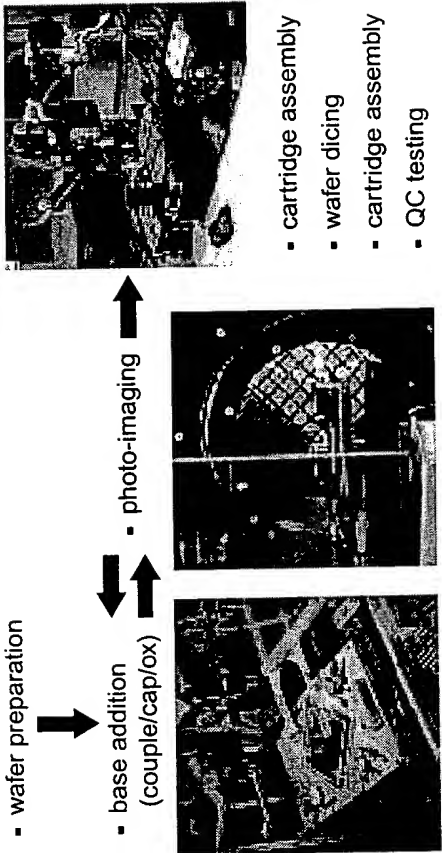
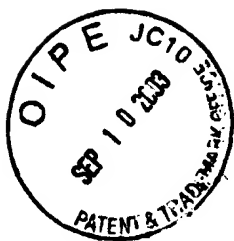


FIGURE 5



REPLACEMENT SHEET

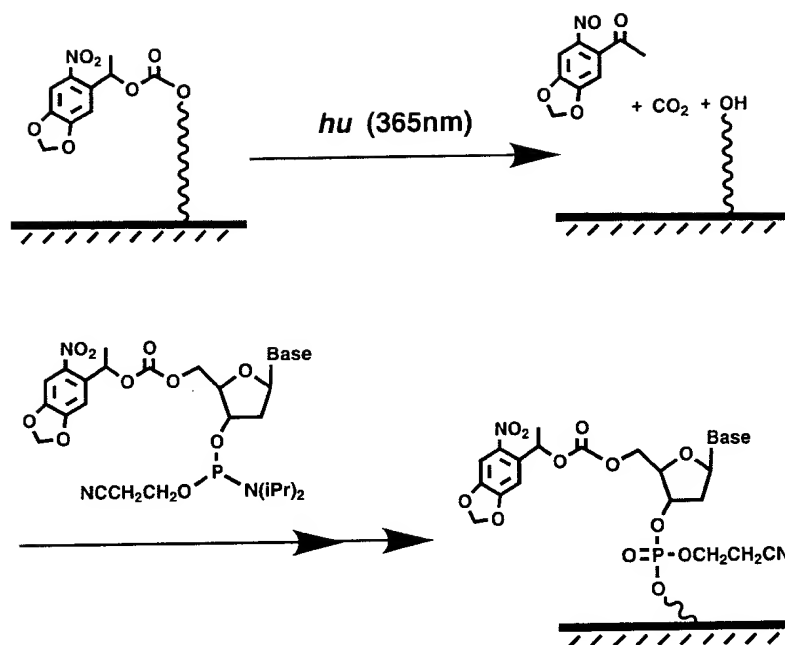


FIGURE 6

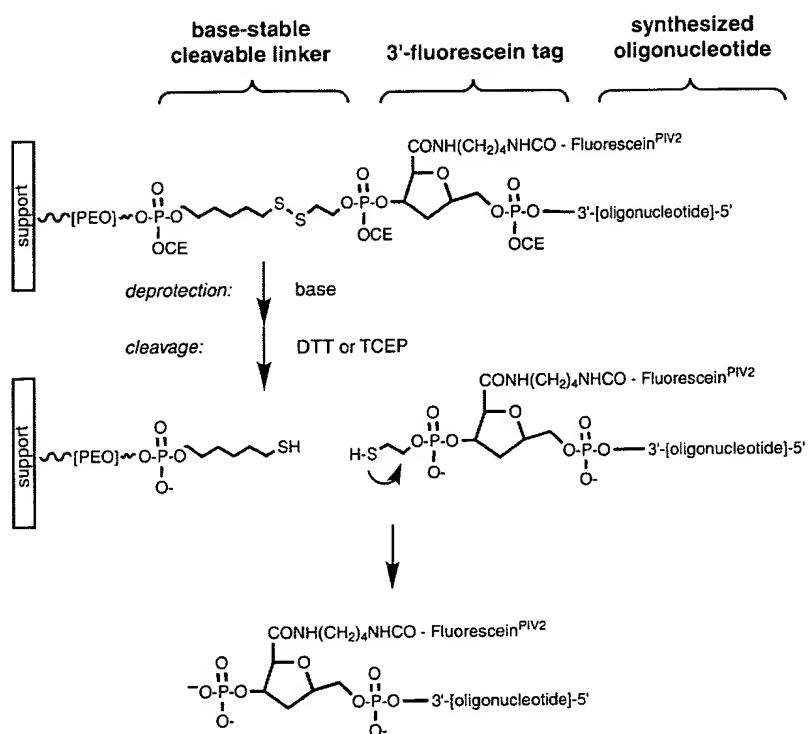
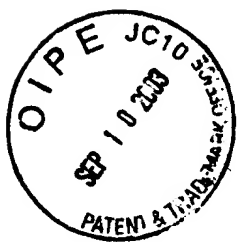
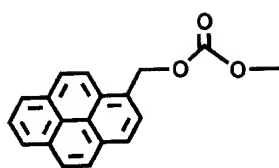
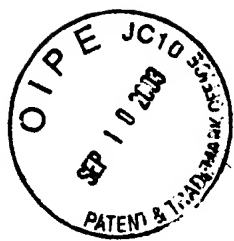
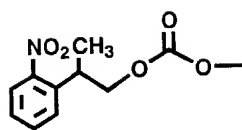


FIGURE 7

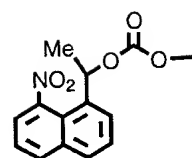
REPLACEMENT SHEET



PYMOC (ref 10)



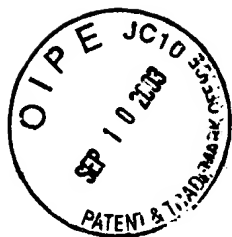
NPPOC (refs . 11,13)



NNEOC (ref. 8)

FIGURE 8

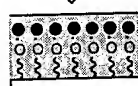




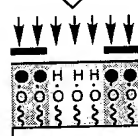
Derivatized  
Glass  
Substrate



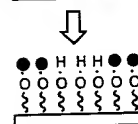
Apply PAG-  
Polymer Film



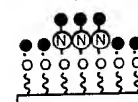
Expose PAG-  
Polymer Film



Strip PAG-  
Polymer Film



Couple next  
DMT-nucleotide



● = DMT

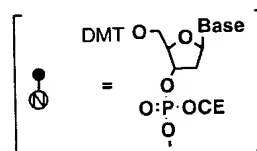
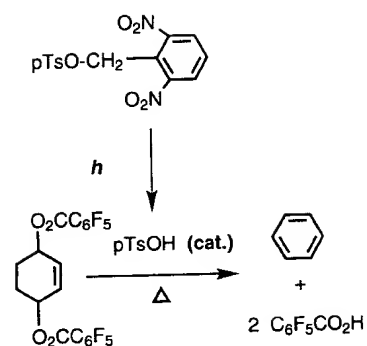


FIGURE 9

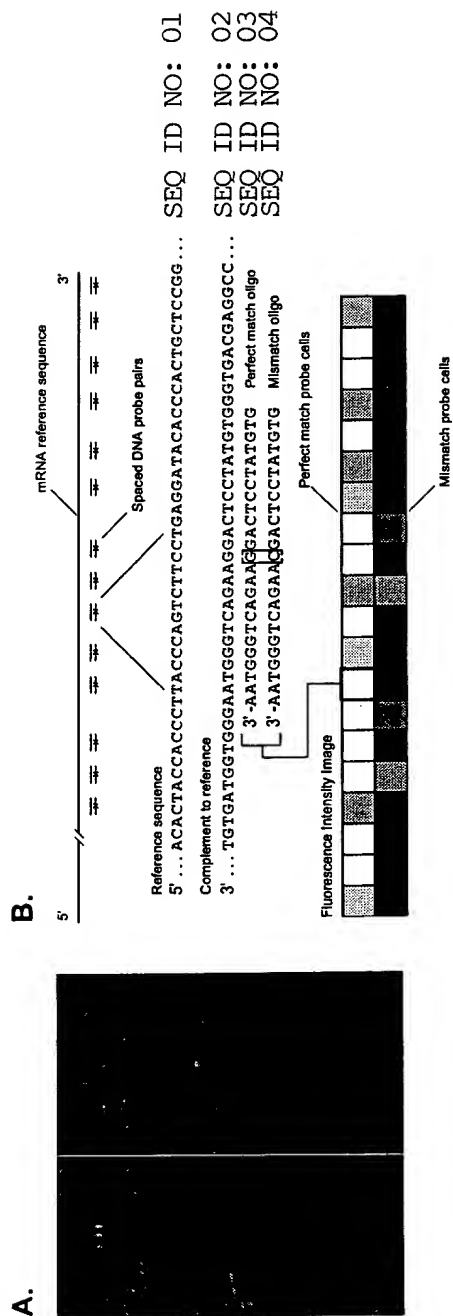
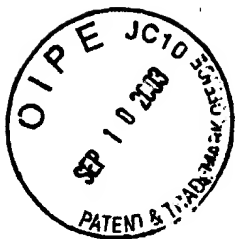
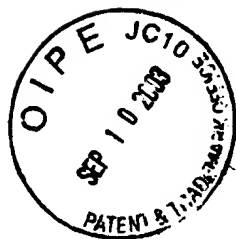


FIGURE 10



A. REFERENCE SEQUENCE → 5'GGACTTTGTGGGATACCCCTCC

20MER PROBES

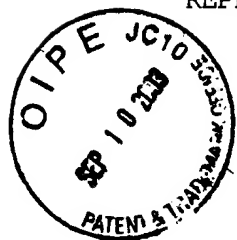
3'cctgaaacA	cccttatgggag	SEQ ID NO: 05
cctgaaacC	cccttatgggag	SEQ ID NO: 06
cctgaaacG	cccttatgggag	SEQ ID NO: 07
cctgaaacT	cccttatgggag	SEQ ID NO: 08
3'ctgaaacaA	cccttatgggag	SEQ ID NO: 09
ctgaaacaC	cccttatgggag	SEQ ID NO: 10
ctgaaacaG	cccttatgggag	SEQ ID NO: 11
ctgaaacaT	cccttatgggag	SEQ ID NO: 12
ctgaaacaT	cccttatgggag	SEQ ID NO: 13
SEQ ID NO: 14		

B. ACTTGACATAGGCTGTA

A C G T

FIGURE 11

REPLACEMENT SHEET



A.

-4	-1	0	+1	+4
MM <b>A</b>	MM <b>A</b>	MM*	MM <b>A</b>	MM <b>A</b>
PM <b>A</b>	PM <b>A</b>	PM <b>A</b>	PM <b>A</b>	PM <b>A</b>
PM <b>B</b>	PM <b>B</b>	PM <b>B</b>	PM <b>B</b>	PM <b>B</b>
MM <b>B</b>	MM <b>B</b>	MM*	MM <b>B</b>	MM <b>B</b>

B.

REFERENCE  
SEQUENCE ...GGTGATTATGAACCTACTAT... SEQ ID NO: 15

PROBE SEQUENCE

ALLELE A	CCACTAATAC <b>A</b> TGGATGATA	MM <b>A</b>	SEQ ID NO: 16
	CCACTAATAC <b>T</b> TGGATGATA	PM <b>A</b>	SEQ ID NO: 17
ALLELE B	CCACTAATAC <b>C</b> TGGATGATA	PM <b>B</b>	SEQ ID NO: 18
	CCACTAATAC <b>G</b> TGGATGATA	MM <b>B</b>	SEQ ID NO: 19

C.

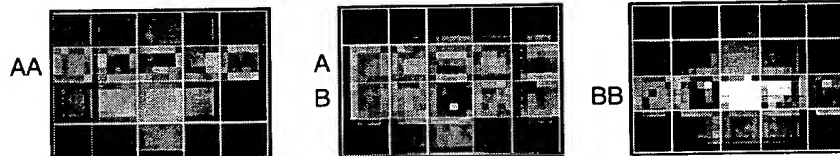


FIGURE 12

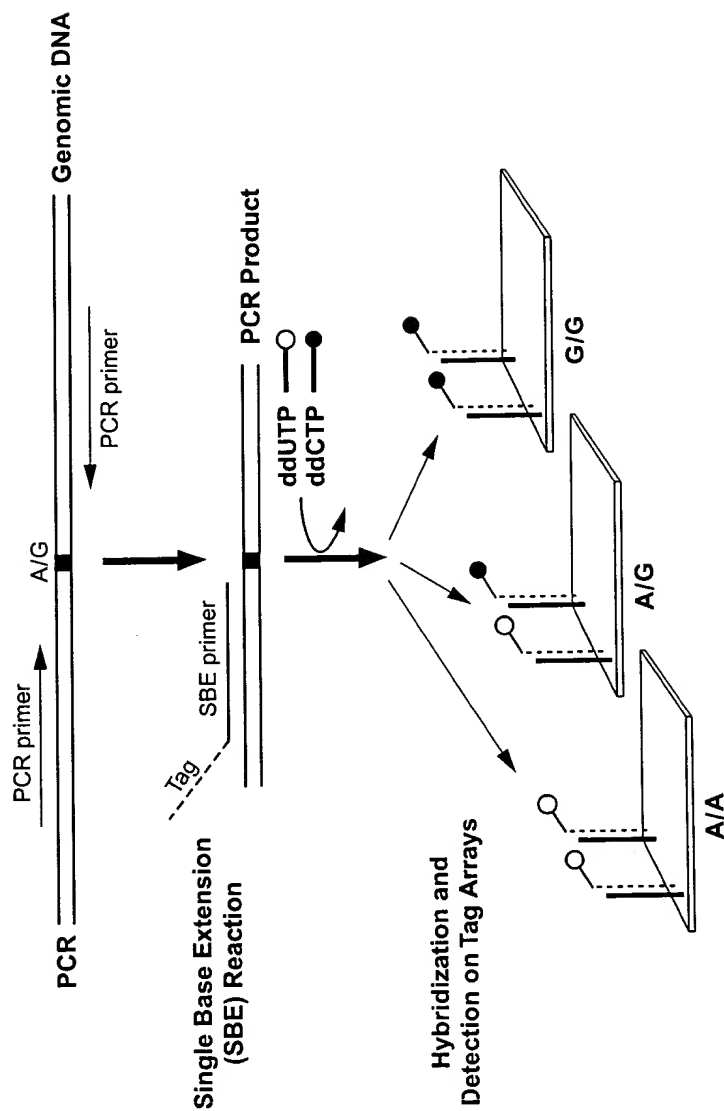
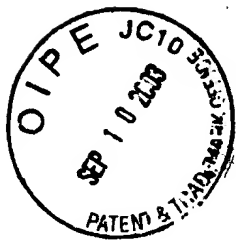


FIGURE 13



REPLACEMENT SHEET

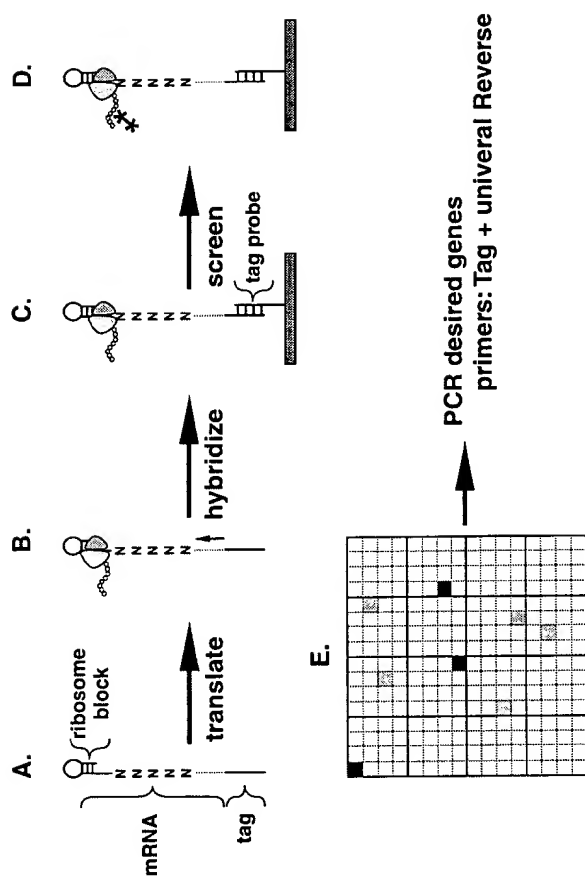


FIGURE 14

REPLACEMENT SHEET

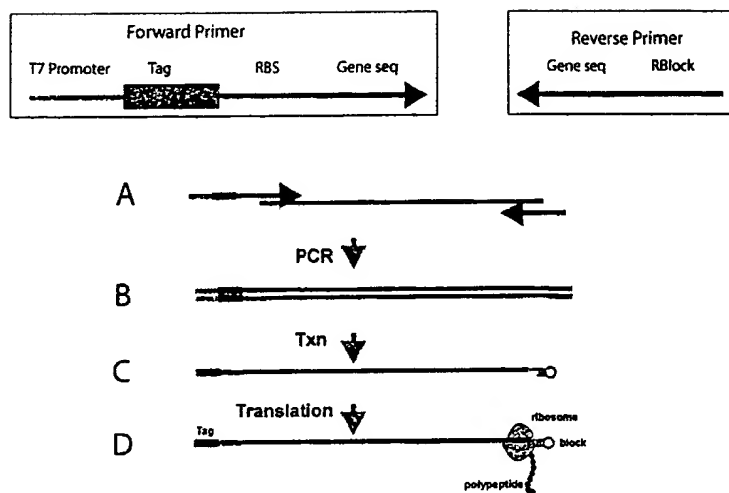
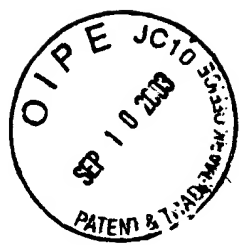


FIGURE 15